



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/955,273	09/18/2001	Franco Castellini	BUG 2 0145	8708
7590	11/22/2004		EXAMINER	
Richard J. Minnich, Esq. Fay, Sharpe, Fagan, Minnich & McKee, LLP Seventh Floor 1100 Superior Avenue Cleveland, OH 44114-2518			JASTRZAB, KRISANNE MARIE	
		ART UNIT	PAPER NUMBER	
		1744		
DATE MAILED: 11/22/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/955,273	CASTELLINI, FRANCO
	Examiner	Art Unit
	Krisanne Jastrzab	1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-26 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 18 September 2001 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date 4/15/2002.
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

The abstract of the disclosure is objected to because of the inclusion of legal phraseology such as "comprises". The parenthetical reference to the figure should also be removed. Correction is required. See MPEP § 608.01(b).

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-26 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors.

With respect to claim 1, "of the type" is found to be vague and indefinite because it is unclear as to what would actually constitute "of the type". This claim is further found to be vague and indefinite because it is unclear as to whether a Jepsom claim is being attempted, due to the use of "comprising" in line 3, and in line 13. Further, "a second disinfectant/sterilizing fluid" lacks proper antecedent basis. Finally, the recitation regarding the "switching means" is found to be confusing. Clarification is required.

With respect to claim 9, the use of “thanks to the second control means” is found to be vague and indefinite as it is unclear if this is a true limitation being recited. Proper language following US patent practice is required.

With respect to claim 15, “the second means” lack proper antecedent basis as do “the closures”, and the recitation of “an appropriate unit” is found to be vague and indefinite because it is unclear as to what would actually constitute such a unit.

With respect to claim 16, “the two closures” lack proper antecedent basis.

With respect to claims 22 and 24, Applicant employs the terminology, “consisting of”, which constitutes closed claim phraseology in US patent practice and it is unclear as to how a “pushbutton” could accomplish the function recited thereafter.

With respect to claim 23, “the first control means” lack proper antecedent basis.

With respect to claims 24 and 25, “the third shutoff elements” lack proper antecedent basis.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by either Detsch et al., U.S. patent No. 5,526,841 or 6,019,117.

Both Detsch et al., references teach a water line decontamination system for use in dental water lines. A container is provided for the handpieces or tools of the dental

unit connected to a main water line. A secondary line is brought into controlled fluid communication with the lines and the handpieces in such a manner as to prevent backflow into the main water supply. A third line can also be provided to effect a purging of the lines with air or sterile water. The unit is valved and fully controlled in either an automated fashion or by manual activation by a user. See column 2, lines 25-35, column 4, line 25 through column 5, line 5 and column 6, line 65 through column 7, line 15 of '841 as exemplary. To the best that the claims can be understood, this reference anticipates the instant invention.

Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Castellini EP 734,692 A2.

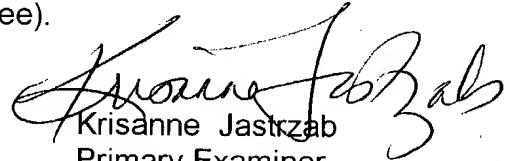
Castellini teaches substantially the invention as best as the claims can be understood. A dental water decontamination system is taught employing a secondary line supplying disinfectant to the lines and the handpieces, with a third line for flushing the system with sterile water and the control means for all lines. See the entire document.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisanne Jastrzab whose telephone number is 571-272-1279. The examiner can normally be reached on Mon.-Wed. 6:30am-4:00pm and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Warden can be reached on 571-272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Krisanne Jastrzab  
Primary Examiner  
Art Unit 1744

November 15, 2004